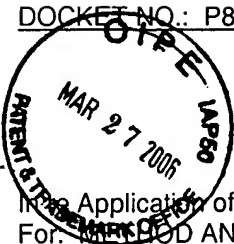


3762
IfuIN THE UNITED STATES PATENT AND TRADEMARK OFFICESUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Re: Application of: Hill et al.

For: METHOD AND APPARATUS FOR ELECTRICALLY STIMULATING THE NERVOUS SYSTEM TO IMPROVE VENTRICULAR DYSFUNCTION, HEART FAILURE, AND OTHER CARDIAC CONDITIONS

Serial No.: 10/039,307

Filed: 10/26/2001

CERTIFICATE OF MAILING UNDER 37 CFR 1.8: I hereby certify that this **MISSING PARTS** and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 21st day of March, 2006.

Molly Chlebeck
Signature

MOLLY CHLEBECK
Printed Name

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☐ Information Disclosure Statement
☒ Supplemental Information Disclosure Statement
☒ PTO FORM 1449
☒ Copies cited references
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FEE CALCULATION

- ☒ \$ 00.00 Pursuant to 37 CFR §1.97(b) (before mailing of first Office Action)
☐ \$ 00.00 Pursuant to 37 CFR §1.97(c) with Certification (cited in foreign application not more than 3 months earlier)
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☐ \$180.00 Pursuant to 37 CFR §1.97(c) without Certification
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- ☐ Applicant hereby petitions for a _____ months' extension of time. If an additional extension of time is required, please consider this petition therefor.
- ☒ Applicant believes that no extension of time is required. However, if an extension of time is required, please consider this a petition therefor to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.
- ☒ Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked with regard to this filing. A duplicate of this transmittal is enclosed.

Date

20 March '06

Paul H. McDowall
Paul H. McDowall
Reg. No. 34,873
Telephone: (763) 514-3351
Customer No. 27581



Docket: P8969.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hill et al.)	Art Unit: 3762
)	
Serial No.: 10/039,307)	Examiner: F. Oropeza
)	
Filed: October 26, 2001)	

For: METHOD AND APPARATUS FOR ELECTRICALLY STIMULATING THE
NERVOUS SYSTEM TO IMPROVE VENTRICULAR DYSFUNCTION, HEART
FAILURE, AND OTHER CARDIAC CONDITIONS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington D.C. 20231

Dear Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application.

Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Respectfully submitted,

Date:

20 March 06

By:

Paul H. McDowall

Paul H. McDowall

Reg. No. 34,873

Telephone: (763) 514-3351

Customer No. 27581

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/039,307
Filing Date	October 26, 2001
First Named Inventor	Michael R.S. Hill
Group Art Unit	3762
Examiner Name	F. Oropeza
Attorney Docket Number	P8969.00

Sheet	1	of	5
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite ¹ No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	3,421,511		Schwartz, et al.	01-14-1969	
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	BQ	US2003/0212445	A1	Weinberg	11-13-2003	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number		10/039,307
				Filing Date		October 26, 2001
				First Named Inventor		Michael R.S. Hill
				Group Art Unit		3762
				Examiner Name		F. Oropeza
Sheet	2	of	5	Attorney Docket Number		P8969.00

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite ¹ No.	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	BR		WO 9216257	A1	Obel, et al.	10-01-1992		
	BS		EP 0530354	A1	Obel, et al.	03-10-1993		
	BT		EP 0547734	A2	Collins	06-23-1993		
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	BY		WO 0245791	A2	Hill, et al.	06-13-2002		
	BZ		WO 2002085448	A2	Foreman, et al.	10-31-2002		
	CA		WO 2003099377	A1	Ayal, et al.	12-04-2003		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite ¹ No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CB	LI, et al., "Reversal of Reflex-Induced Myocardial Ischemia by Median Nerve Stimulation (A): A Feline Model of Electroacupuncture," dated March 31, 1998, pp. 1186-94	
	CC	HORSCH, et al., "Spinal Cord Stimulation For Ischemic Rest Pain," from <u>The Belgian Randomized Study</u> , dated 1994, pp. 197-201	
	CD	BILGUTAY, et al., "Vagal Tuning," from <u>Journal of Thoracic & Cardiovascular Surgery</u> , July 1968, 56:71-82	
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Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

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<p>Substitute for form 1449A/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;"><i>(use as many sheets as necessary)</i></p>		<p style="text-align: center;">Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/039,307</td> </tr> <tr> <td>Filing Date</td> <td>October 26, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Michael R.S. Hill</td> </tr> <tr> <td>Group Art Unit</td> <td>3762</td> </tr> <tr> <td>Examiner Name</td> <td>F. Oropeza</td> </tr> <tr> <td>Attorney Docket Number</td> <td>P8969.00</td> </tr> </table>		Application Number	10/039,307	Filing Date	October 26, 2001	First Named Inventor	Michael R.S. Hill	Group Art Unit	3762	Examiner Name	F. Oropeza	Attorney Docket Number	P8969.00
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Sheet	3 of 5														

	CP	HULL, et al., "Heart Rate Variability Before And After Myocardial Infarction In Conscious Dogs At High And Low Risk Of Sudden Death," from <u>The American College of Cardiology</u> , 1990, pp. 978-985	
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Examiner Signature	Date Considered
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¹ Unique citation designation number.

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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/039,307
		Filing Date	October 26, 2001
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		Examiner Name	F. Oropeza
		Attorney Docket Number	P8969.00
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DX	MEYERSON, et al., "Spinal Cord Stimulation," from <u>Bonica's Management of Pain</u> , 2001, pp. 1857-1876	
DY	ARDELL, "Neurohumoral Control Of Cardiac Function," from <u>Heart Physiology and Pathophysiology</u> , Fourth Edition, 2001, pp. 45-59	
DZ	FARRELL, et al., "Angiotensin II Modulates Catecholamine Release Into Interstitial Fluid Of Canine Myocardium In Vivo," from <u>Am J. Physiol. Heart Cir. Physiol.</u> , 2001, pp. H813-H822	
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EB	TANAKA, et al., "Low Intensity Spinal Cord Stimulation May Induce Cutaneous Vasodilation Via CGRP Release," from <u>Brain Research</u> , 2001, pp. 183-187	
EC	QIN, et al., "Responses And Afferent Pathways Of Superficial And Deeper C ₁ -C ₂ Spinal Cells To Intrapericardial Algogenic Chemicals In Rats," from <u>The American Physiological Society</u> , December 2000, pp. 1522-1532	
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EF	CARDINAL, et al., "Spinal Cord Activation Differentially Modulates Ischaemic Electrical Responses To Different Stressors In Canine Ventricles," from <u>Autonomic Neuroscience: Basic & Clinical</u> , 2004, pp. 37-47	
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EI	DI PEDE, et al., "Long-Term Effects Of Spinal Cord Stimulation On Myocardial Ischemia And Heart Rate Variability: Results Of A 48-Hour Ambulatory Electrocardiographic Monitoring," from <u>Ital. Heart J.</u> , September 2001, pp. 690-695	

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/039,307
				Filing Date	October 26, 2001
				First Named Inventor	Michael R.S. Hill
				Group Art Unit	3762
				Examiner Name	F. Oropeza
				Attorney Docket Number	P8969.00
Sheet	5	of	5		

	DJ	NORRSELL, et al., "Effects Of Spinal Cord Stimulation And Coronary Artery Bypass Grafting On Myocardial Ischemia And Heart Rate Variability: Further Results From The ESBY Study," from <u>Cardiology</u> , 2000	
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	DL	HAUTVAST, et al., "Effect Of Spinal Cord Stimulation On Heart Rate Variability And Myocardial Ischemia In Patients With Chronic Intractable Angina Pectoris—A Prospective Ambulatory Electrocardiographic Study," from <u>Clin. Cardiol.</u> , January 1998, pp. 33-38	
	DM	LINDEROTH, et al., "Preemptive Spinal Cord Stimulation Reduces Ischemia In An Animal Model Of Vasospasm," from <u>Neurosurgery</u> , August 1995, pp. 271-272	
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	DO	PIVOVAROV, et al., "Effect Of Electrostimulation Of The Dorsolateral Funiculus Of The Spinal Cord On Changes In The Cardiac Rhythm In Acute Myocardial Ischemia," from <u>Biull Edsp. Biol. Med.</u> [Russian] December 1985, pp. 655-657	
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	DQ	RECORDATI, et al., "Renorenal Reflexes In The Rat Elicited Upon Stimulation Of Renal Chemoreceptors," from <u>J.Auton. Nerv. Syst.</u> , September 1982, pp. 127-142	

Examiner Signature		Date Considered	
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